

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
Pollution Report

I. HEADING

Date: May 25, 1999

Subject: Tilton Plating Emergency Response, Tilton, Vermilion County, Illinois

From: Cindy Nolan, OSC, U.S. EPA, Region 5, Chicago, RS-II

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POLREP # 7 and Final POLREP**II. BACKGROUND**

Site No: B589 Delivery Order No: 0007
CERCLA No: ILSFN0507790 NPL Status: Non-NPL
State Notification: Start Date: 9/35/98
Demobilization Date: 5/1/99 Completion Date: 4/29/99
Status of the Action Memorandum: Signed on 12/14/98

III. INCIDENT INFORMATION

Review initial POLREP

IV. RESPONSE INFORMATION**A. Removal Actions****1.0 Current situation**

During the week ending May 1, 1999, ERRS completed the excavation, transportation and disposal of the contaminated soil and debris; collected and analyzed soil samples collected from the excavated areas and ridge area west of the excavation; backfilled the excavated areas with clean fill and topsoil; and demobilized equipment and personnel from the site. The weather conditions for the week was cloudy with several days of rain. The temperatures during the week ranged from mid 40°F to 70 °F.

On April 26, 1999, eleven trucks were loaded with contaminated soil and debris onto truck and transported to the disposal facility. START collected samples from the ridge area west of the excavation and east of Conrail property to determine the extent of contamination. The ridge samples were collected directly west of the site.

On April 27, 1999, ERRS loaded the last 2 truck of contaminated soil and debris. ERRS began restoration by backfilling the excavated areas. Twenty loads of backfill were brought to site. The deepest part of the excavation

was 4 to 6 ft, in a 3 ft by 40 ft area. The contaminated areas were beneath the building. ERRS arranged for the demobilization of site equipment and personnel.

On April 28, 1999, 60 tons of contaminated soil and debris were transported off site. The remaining 4 truck loads of backfill were spread over the site and 13 truck loads of topsoil was delivered to the site. ERRS conducted site restoration and along with START conducted an inventory of the site supplies.

On April 29, 1999, personnel were demobilized from the site and arrangements were made for the site equipment to be demobilized.

2.0 Removal activities to date

Phase I

Overpacked deteriorated containers.

Staged all drums and other containers in building.

Secured building

Sampled, Hazcatted, and categorized, all disposal waste streams on site.

Arrangement off site of T & D of drums and debris.

Conducted an extent of contamination soil study

Phase II

Conducted T & D for the material inside the building.

Demolished building.

Sort non-hazardous and hazardous building debris.

Began air monitoring during demolition and excavation.

Loaded non-hazardous debris into roll-off boxes and transported them for disposal

Completed air sampling for lead, cadmium, and chromium.

Excavated contaminated concrete and soil (approx. 620 tons).

Completed the T & D for the contaminated concrete and soil.

Collecting samples (2) west of the excavated area.

Conducted restoration at the site backfill, top soil, and seeding the area of concern

Demobilized personnel and equipment.

B. Planned Removal Actions:

No further actions

C. Next Step

No further action

D. Key Issues

During the Meeting with Conrail on the 4/26/99, it was determined that the property directly west of the site was not owned by Conrail and was part of the site. Two samples were collected and the TCLP chromium levels were below 5 ppm, so no further actions were taken by U.S. EPA.

V. COST INFORMATION

Affiliation	Present Cost	Ceiling	% Remaining
Earth Tech	\$200,000	\$250,000	20%
START	\$27,500	\$30,000	9.1%

DISPOSAL INFORMATION

Disposal Information			
Waste	Date	Volume	Disposal Facility
RQ, Haz solid, n.o.s., cad. UN3077	4/13/99	15 cubic yards	Chem-Met Services Brownstown, MI
RQ Environmental hazard Sub. n.o.s. 9 (copper sulfate)	4/13/99	1 drum (50 gal)	Chem-Met Services
RQ, Haz waste liquid, n.o.s., 9 chromium, NA 3082	4/13/99	1 drum (885 gallons)	Chem-Met Services
RQ, PCBs, n.o.s. 9 UN2315	4/14/99	1 drum (125 lbs)	Superior Special Services Port Washington, WI
RQ, Waste paint related material, 3, UN1263	4/14/99	1 drum (100 lbs)	Chem Con Orlando, FL
RQ, Waste cyanide sol'n, n.o.s. zinc cyanide, potassium cyanide 6, UN1935	4/14/99	1 drum (40 lbs)	Chem Con Orlando, FL
RQ, Waste Corrosive liquids, n.o.s. 8 UN 1760 (chrom.)	4/14/99	9 drums (515 gal)	Chem-Met
RQ Waste corrosive liquid (sodium hydroxide) n.o.s. 8 UN1760	4/14/99	12 drums (720 gal)	Chem-Met
Non-Hazardous Debris	4/16/99 to 4/19/99	125 cubic yards	Waste Management
RQ, Waste Corrosive solid, n.o.s. 9 Chromium	4/22/99 to 4/27/99	480 tons	USL City Environmental Detroit, MI